

DEPARTMENT OF TRANSPORTATION

ES-OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



April 9, 2001

04-SF-80-4.9/5.9
04-0435C4

Addendum No. 4

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in THE CITY AND COUNTY OF SAN FRANCISCO FROM FIFTH STREET TO BEALE STREET.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on April 18, 2001.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

Project Plan Sheets 8, 71, 120 through 123, 130, 131, 133, 137, 138, 139, 160, 162 and 163 are revised. A half-sized copy of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.21, "AREAS OF STUDY AND ASSESSMENT," subsection "CONSTRUCTION," the fourth paragraph is revised as follows:

"Investigations by the Department staff archaeologist or his designated representative in the ASA will begin within 15 days after the approval by the Engineer of the "Health, Safety and Work Plan" specified in the section entitled "Hazardous and Non-Hazardous Material, General" of these special provisions. Department staff archeologist and/or his/her designated representative will work Monday through Friday, with no weekend or overtime hours."

In the Special Provisions, Section 5-1.24, "SOUND CONTROL REQUIREMENTS," the fourth paragraph is revised as follows:

"Pile driving noise level shall not exceed 105 dBA L(max), when measured at a distance of 100 feet from the noise source, and shall be performed only between 8:00 a.m. and 7:00 p.m., Monday through Friday, and between 8 a.m. to 6 p.m. on weekends and legal holidays."

In the Special Provisions, Section 5-1.24, "SOUND CONTROL REQUIREMENTS," the eighth paragraph is revised as follows:

"Full compensation for conforming to the requirements of this section including monitoring, generating and submitting reports, and maintaining all documentation shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefor."

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the second and fourth items of the fifth paragraph are revised as follows:

"2) The seismic retrofit work for the west turnaround loop of the Transbay Transit Terminal, along with the bridge barrier rail removal and replacement, as shown on the plans. Attention is directed to section entitled "Lighting and Electrical Systems" in these special provisions and the plans. The Contractor shall complete all work related to Electrical Facilities Communication Feeder (Modify) prior to commencing work on bridge barrier rail removal and replacement.

4) All work at each portion 1-3 above shall be completed before the Contractor commences work at the next location, unless approved otherwise in writing by the Engineer. For all archaeological investigation work and seismic retrofit work, including seismic retrofit work for the San Francisco Bayshore Viaduct, the Contractor shall notify the Engineer in writing at least 15 working days before entering any State-owned parking lots in order to commence work on either the ASA blocks, or in any of the seismic retrofit areas described herein, with the exception of the 30-day notice required for item 3 above. Contractor shall obtain the Engineer's approval in writing prior to entering any State-owned lot.

For all concrete barrier work requiring the installation of protective cover and bridge removal on both sides of the west turnaround structure south of Howard Street, the Contractor shall vacate and return to State control the impacted State-owned parking lot following the completion of bridge removal operation on one side. The Contractor shall proceed to notify and obtain the approval of the Engineer as stated in the paragraph above prior to the commencement of bridge removal work on the other side."

In the Special Provisions, Section 10-1.29, "EXISTING HIGHWAY FACILITIES," subsection "REMOVE BUS SHELTER," is deleted.

In the Special Provisions, Section 10-1.295, "REMOVE AND REPLACE ASPHALT CONCRETE AND BALLAST," is added as attached.

In the Special Provisions, Section 10-1.30, "BRIDGE REMOVAL (PORTION)," the third paragraph is revised as follows:

"Remove portions of existing 7 1/2" concrete masonry unit wall, existing vault floor, existing concrete wall, existing air shaft, existing concrete barrier railing, deck overhang, bottom of mat slab, annular column protector, saw cutting existing main column reinforcement, existing column protector, existing catenary grillage concrete, and other miscellaneous portions of bridge and building basement removal as shown on the plans."

In the Special Provisions, Section 10-1.38, "CONCRETE STRUCTURES," subsection "MEASUREMENT AND PAYMENT," the following paragraphs are added after the last paragraph:

"Reinforced concrete for the concrete enclosure walls and roof will be measured and paid for as structural concrete, bridge footing.

Full compensation for drilling and bonding dowels including furnishing the reinforcing steel shall be considered as included in the contract unit price paid per cubic yard for minor concrete (minor structure) (PCC collar) and no additional compensation will be allowed therefor."

In the Special Provisions, Section 10-1.43, "REINFORCEMENT," the following paragraph is added after the last paragraph:

"Bar reinforcing steel for the concrete enclosure walls and roof will be measured and paid for as bar reinforcing steel (bridge)."

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In the Special Provisions, Section 10-3.105, "REMOVING AND REINSTALLING ELECTRICAL EQUIPMENT," is added as attached.

In the Special Provisions, Section 10-5, "DOORS," is added as attached.

In the Proposal and Contract, the Engineer's Estimate Items 46, 49, 54, 56 and 74 are revised, Items 87, 88, 89 and 90 are added and Items 60 and 86 are deleted as attached.

To Proposal and Contract book holders:

Replace pages 5, 6, and 7 of the Engineer's Estimate in the Proposal with the attached revised pages 5, 6, and 7 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Plans, Specifications & Estimates Branch
Office of Office Engineer

Attachments

10-1.295 REMOVE AND REPLACE ASPHALT CONCRETE AND BALLAST

The existing asphalt concrete surfacing and rock ballast shall be removed and replaced as shown on the plans. A portion of the ballast shall be stored by the contractor and replaced prior to placing the asphalt concrete overlay. The remaining excess ballast that are not to be salvaged or used in the reconstruction shall become the property of the Contractor and shall be disposed of outside the highway right of way in accordance with the provisions in Section 7-1.13 of the Standard Specifications.

The asphalt concrete shall be Type A and shall conform to the provisions in Section 39, "Asphalt Concrete," of the Standard Specifications and the requirements in Section 10-1.36, "Asphalt Concrete" elsewhere in special provisions and these special provisions.

The aggregate for use in the asphalt concrete shall conform to the provisions in Section 39 2.02, "Aggregate," of the Standard Specifications, and the following:

The grading of the aggregate shall be 1/2 inch maximum, medium.

The grading of the aggregate in sections or tapers at bridge ends, less than one inch in total depth, may be No. 4 maximum, subject to the approval of the Engineer.

The amount of asphalt binder to be mixed with the aggregate shall be between 4 percent and 7 percent by weight of the dry aggregate as determined by the Engineer.

Paint binder shall be SS1 type asphaltic emulsion.

Paint binder shall be applied at a rate of from 0.04- to 0.07-gallon per square yard of surface covered. The exact rate of application will be determined by the Engineer.

Whenever concrete expansion dams are to be placed at bridge deck expansion joints, oil resistant construction paper shall be taped to the deck over the area to be covered by the dams prior to placing the paint binder and asphalt concrete across the joint.

At no time shall the difference in grade between adjacent lanes that are open to public traffic exceed 0.15-foot.

The contract lump sum price paid for remove and replace asphalt concrete and ballast shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in removing and replacing the existing asphalt concrete and ballast, complete in place, including disposing of the excess ballast outside, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-3.105 REMOVING AND REINSTALLING ELECTRICAL EQUIPMENT

Removing and reinstalling electrical lighting and switches as part of the enclosure modifications shall consist of removing the existing lighting switches and fluorescent light, salvaging and storing the materials and reinstalling them as directed by the Engineer.

Full compensation for removing and reinstalling electrical equipment shall be considered as included in the contract item price paid per lump sum for mechanical electrical system (modify) and no separate payment will be allowed therefor.

SECTION 10-5. DOORS

10-5.01 HINGED DOOR, DOOR FRAME AND HARDWARE

GENERAL.--This work shall consist of furnishing and installing a hinged door, frame and hardware in accordance with the details shown on the plans and these special provisions.

Hardware assemblies shall comply with the 60 minute fire rated assembly requirements.

SUBMITTALS.--Manufacturer's descriptive data, installation instructions for fire rated assemblies shall be submitted for approval.

Manufacturer's technical information and catalog cuts for each item of door hardware and a door hardware schedule shall be submitted for approval prior to installation.

Manufacturer's catalog cuts shall include catalog numbers, material, grade, type, size, function, design, quality and finish of hardware.

Metal door.--

Metal door shall be flush, seamless steel door factory prepared and reinforced to receive hardware and having cold rolled stretcher leveled sheet steel face sheets not less than 0.048 inch thick (18-gage). Face sheets shall be bonded with thermosetting adhesive to rigid board honeycomb or precured foam core; or face sheets shall be welded to all parts of an assembled grid of cold formed pressed metal stiffeners and framing members located around edges, ends, openings and at all locations necessary to prevent buckling of face sheets. Seams shall be tack welded, filled and ground smooth. Bottom edge and internal stiffeners of grid type core shall have moisture vents. Welds on exposed surfaces shall be ground smooth.

Doors shall be listed and labeled for a 60 min fire rated assembly.

Door shall be cleaned and treated by the bonderized process or approved phosphatizing process and then given one factory application of metal protective rust inhibitive primer. Primer shall not contain lead type pigments.

Pressed metal frame.--

Pressed metal frame shall be not less than 0.060 inch thick (16-gage) sheet steel with integral stop, mitered corners, face welded and ground smooth corners. Frames shall be reinforced for all hardware and shall be cleaned and treated by the bonderized process or an approved phosphatizing process and then given one factory application of metal protective rust inhibitive primer. Primer shall not contain lead type pigments.

Frame shall be listed and labeled for a 60 minute fire rated assembly.

HARDWARE.—

Hardware shall be provided with standard US 26D metal plated.

Locks and cylinders shall be provided with six pin "O" cylinders and blank keys. Cylinders and blank keys shall be delivered to the Engineer for combining of cylinders and cutting of keys.

The Contractor shall provide cylinders for use during construction. Construction cylinders shall remain in place until permanent cylinders are installed. Construction cylinders shall remain the property of the Contractor.

Key bows shall be stamped "State of California" and "Do Not Duplicate."

Butt hinges.--

Butt hinges shall be steel, 1 1/2-pair per door unless otherwise specified or shown on the plans. Nonremovable pins shall be provided at outswing exterior doors. Hinge size shall be 4-1/2"x 4-1/2" unless otherwise noted.

Standard weight hinges shall be:

Hager	BB 1279
McKinney	TB 2714
Stanley	BB 179
or equal.	

Mortise lockset.--

Mortise lockset shall be steel case with 1-1/4" x 8" face plate and 2-3/4" backset. Door and frame preparation for mortise lockset shall conform to ANSI A115.1.

Lever operated lockset shall be:

Best	35H 6FW 15H
Falcon	LM521 DG
Schlage	L9453P x 06
or equal.	

Door closers.--

Parallel arms for closers shall be installed at outswing exterior doors. Closers shall have sprayed finish to match other hardware on door.

Door closers shall be:

LCN	4040
Norton	85001
Dorma	7800
or equal.	

Weatherstrip and draft stop.--

Weatherstrip and draft stop shall conform to the sizes and shapes shown on plans. Assemblies shall be UL listed and shall be provided where shown on the plans or as specified in these special provisions.

Weatherstrip and draft stop manufacturers shall be Pemko, Reese, Zero, or equal.

Panic devices.--

Rim type panic devices shall be installed at single doors and on the active leaf of pairs of doors, unless indicated otherwise. A vertical rod device shall be provided for the inactive leaf of pairs of doors. Dogging devices shall be omitted at UL rated door openings.

Panic devices with outside key operation shall be:

Corbin	3727
Monarch	XX-R-T
Von Duprin	88TP
or equal.	

Sealants.--

Sealants shall be ultraviolet and ozone resistant, gun grade polysulfide or polyurethane, multicomponent, Federal Specification: TT-S-227.

EXECUTION.--

INSTALLATION.--Doors and frames shall be installed rigidly, securely, plumb and true and in such a manner that the doors operate freely without rubbing or binding. Clearance between frame and door shall be not more than 1/8". The exterior frame shall be sealed weathertight.

Pressed metal frames shall be secured with clips and anchors as shown on the plans.

Fire rated assemblies shall be installed according to the manufacturer's recommendations.

Fire rated assemblies shall include doors, door frames, automatic smoke-actuated closers, self-closing mechanisms, panic hardware, wire glass, and fire rated louvers. Assemblies shall be approved by the California State Fire Marshal.

Doors and frames shall be set square and plumb and be properly prepared before the installation of hardware.

Hardware items shall be accurately fitted, securely applied, and adjusted and lubricated in accordance with the manufacturer's instructions. Installation shall provide proper operation without bind or excessive play.

Hinges shall be installed at equal spacing with the center of the end hinges not more than 9-5/8" from the top and bottom of the door. Locksets and panic exit mechanisms shall be 40-5/16" from the finished floor.

Door controls shall be set so that the effort required to operate doors with closers shall not exceed 37.8 N maximum for exterior doors and 22.3 N maximum for interior doors. The effort required to operate fire doors may be increased above the values shown for exterior and interior doors but shall not exceed 66.7 N maximum.

Hardware, except hinges, shall be removed from surfaces to be painted before painting.

Upon completion of installation and adjustment, the Contractor shall deliver to the Engineer all dogging keys, closer valve keys, lock spanner wrenches, and other factory furnished installation aids, instructions and maintenance guides.

Full compensation for hinged door, frame and hardware shall be considered as included in the contract unit price paid per cubic yard for structural concrete, bridge footing and no separate payment will be allowed therefor.

ENGINEER'S ESTIMATE
04-0435C4

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	203061	STABILIZING EMULSION (EROSION CONTROL)	LB	31		
42	390102	ASPHALT CONCRETE (TYPE A)	TON	3,860		
43	495115	FURNISH 24" CAST-IN-STEEL SHELL CONCRETE PILING	LF	7,188		
44 (S)	495116	DRIVE 24" CAST-IN-STEEL SHELL CONCRETE PILE	EA	124		
45 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	4,720		
46 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	212		
47 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	15.2		
48	510526	MINOR CONCRETE (BACKFILL)	CY	9		
49	511106	DRILL AND BOND DOWEL	LF	6,790		
50 (S)	048416	CORE CONCRETE (3 1/2") AND BOND ROD	LF	783		
51 (S)	048417	CORE CONCRETE (1 1/8") AND BOND ROD (EPOXY CARTRIDGE)	EA	72		
52 (S)	515157	CORE CONCRETE (1 1/8")	LF	190		
53 (S)	515158	CORE CONCRETE (1 1/4")	LF	46		
54 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	980,000		
55 (S-F)	540101	ASPHALT MEMBRANE WATERPROOFING	SQFT	41		
56 (S-F)	550110	COLUMN CASING	LB	197,800		
57 (S-F)	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	63,900		
58 (S-F)	550204	ERECT STRUCTURAL STEEL (BRIDGE)	LB	63,900		
59	020367	REMOVE OVERHEAD SIGN STRUCTURE (BRIDGE MOUNTED WITHOUT WALKWAY)	LS	LUMP SUM	LUMP SUM	
60	BLANK					

ENGINEER'S ESTIMATE
04-0435C4

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	566011	ROADSIDE SIGN - ONE POST	EA	2		
62 (S)	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	LUMP SUM	LUMP SUM	
63	590301	WORK AREA MONITORING	LS	LUMP SUM	LUMP SUM	
64	620060	12" ALTERNATIVE PIPE CULVERT	LF	430		
65	020369	PIPE CONNECTION	EA	4		
66	703509	6" WELDED STEEL PIPE (.134" THICK)	LF	26		
67	703515	8" WELDED STEEL PIPE (.134" THICK)	LF	180		
68	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	68		
69 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	3,012		
70 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	4,990		
71	750505	BRIDGE DECK DRAINAGE SYSTEM	LS	LUMP SUM	LUMP SUM	
72	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	720		
73	802520	6' CHAIN LINK GATE (TYPE CL-6)	EA	2		
74 (S-F)	048418	CONCRETE BARRIER (TYPE 41 MOD.)	LF	669		
75	840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	2,370		
76	840666	PAINT PAVEMENT MARKING (2-COAT)	SQFT	130		
77	842000	PARKING BUMPER (PRECAST CONCRETE)	EA	17		
78 (S)	860401	LIGHTING	LS	LUMP SUM	LUMP SUM	
79 (S)	020370	PORTABLE LIGHTING	LS	LUMP SUM	LUMP SUM	
80 (S)	020371	ELECTRICAL FACILITIES (SEISMIC RETROFIT)	LS	LUMP SUM	LUMP SUM	

ENGINEER'S ESTIMATE
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Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (S)	020372	TRAFFIC OPERATIONS SYSTEM (MODIFY)	LS	LUMP SUM	LUMP SUM	
82 (S)	861503	MODIFY LIGHTING	LS	LUMP SUM	LUMP SUM	
83 (S)	020373	ELECTRICAL FACILITIES COMMUNICATION FEEDER (MODIFY)	LS	LUMP SUM	LUMP SUM	
84 (S)	048419	MECHANICAL ELECTRICAL SYSTEM (MODIFY)	LS	LUMP SUM	LUMP SUM	
85 (S)	991065	MECHANICAL WORK	LS	LUMP SUM	LUMP SUM	
86	BLANK					
87	021241	REMOVE AND REPLACE ASPHALT CONCRETE AND BALLAST	LS	LUMP SUM	LUMP SUM	
88	021242	MINOR CONCRETE (MINOR STRUCTURE) (PCC COLLAR)	CY	5.0		
89	021243	CONCRETE BARRIER (TYPE 41)	LF	1,475		
90	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____